



CSA C22.2 No. 4248.1:22
National Standard of Canada



Fuseholders — Part 1: General requirements



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Standard for Safety for Fuseholders – Part 1: General Requirements

Third Edition, Dated March 31, 2022

Summary of Topics

This Third Edition of the Standard for Fuseholders – Part 1: General Requirements dated March 31, 2022 incorporates editorial updates including renumbering and reformatting to align with current style.

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Fuseholders – Part 1: General Requirements

March 31, 2022



ANSI/UL 4248-1-2022

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Preface

This is the harmonized ANCE, CSA Group, and UL standard for Fuseholders – Part 1: General Requirements. It is the third edition of NMX-J-009/4248/1-ANCE, the third edition of CSA C22.2 No. 4248.1, and the third edition of UL 4248-1. This edition of NMX-J-009/4248/1-ANCE supersedes the previous edition published on October 13, 2017. This edition of CSA C22.2 No. 4248.1 supersedes the previous editions published February 2007 and October 2017. This edition of UL 4248-1 supersedes the previous edition published on October 13, 2017.

This harmonized standard was prepared by the Association of Standardization and Certification, (ANCE), CSA Group, and Underwriters Laboratories Inc. (UL). The efforts and support of the Technical Harmonization Subcommittee, 32B, Fuses, Fuseholders, on the Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA), are gratefully acknowledged.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

The present Mexican Standard was developed by the TC 32 Fuses from the Comité de Normalización de la Asociación de Normalización y Certificación, A.C., CONANCE, with the collaboration of the fuse manufacturers and users.

This Standard was reviewed by the CSA Subcommittee on Fuses and approved by the CSA Technical Committee on Industrial Products under the jurisdiction of the CSA Strategic Steering Committee on the Requirements for Electrical Safety. This standard has been developed in compliance with the Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of harmonization

This standard is published as an identical standard for ANCE, CSA Group and UL.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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Fuseholders – Part 1: General Requirements

1 Scope

1.1 These fuseholders and devices accommodate fuses to be employed in electrical circuits and are intended to be used in accordance with the Canadian Electrical Code, Part I (CE Code Part I), CSA C22.1, the National Electrical Code, NFPA 70, or the Mexican Electrical Code, NOM-001.

1.2 These requirements cover:

- a) Fuseholders for fuses intended for use with fuse classes covered in the ANCE NMX-J-009-248; CSA C22.2 No. 248; and UL 248 series of standards, Parts 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 and 15; and
- b) Fuseholder accessories (such as covers, indicators, adapters, etc.).

1.3 This Standard and its subsequent Parts establish the characteristics, construction, operating conditions, markings, and test conditions for fuseholders.

1.4 The titles of the Clauses in this Part 1 correspond to the similarly titled Clauses in the subsequent Parts.

2 Referenced Publications

2.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 When a reference is made to a code or standard, the product shall comply with the code or standard of the country in which the product is intended to be used.

2.3 Throughout this Standard, the CSA standard references apply to products intended for use in Canada, the ANCE NMX standard references apply to products intended for use in Mexico, and the UL standard references apply to products intended for use in the United States. Combined references are separated by a slash (“ / ”) to denote the difference between the applicable requirements specified for use in Canada, Mexico, and the United States.

2.4 The following publications are referenced in this Standard:

Ref. No.	United States	Canada	Mexico
1	NFPA 70, National Electrical Code	CSA C22.1, Canadian Electrical Code, Part I	NOM-001, Mexican Electrical Code
2	ASTM D3638, Standard Test Method for Comparative Tracking Index of Electrical Insulating Materials	CSA C22.2 No. 0.17, Evaluation of Properties of Polymeric Materials	
3	ASTM D3874, Standard Test Method for Ignition of Materials by Hot Wire Sources	CSA C22.2 No. 0.17, Evaluation of Properties of Polymeric Materials	
4		CSA C22.2 No. 0, General Requirements – Canadian Electrical Code, Part II	
5	UL 94, Tests for Flammability of Plastic Materials for Parts in Devices and Appliances	CSA C22.2 No. 0.17, Evaluation of Properties of Polymeric Materials	